Sheet <u>1</u> of <u>4</u>

Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 01948-059001

Application No. 09/777,732

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Information Disclosure Statement by Applicant

(Use several sheets if necessary)

Applicant Yingyos Avihingsanon, et al.

APR 1 5 2002

(37 CFR §1.98(b))

Filing Date February 6, 2001

Group Art Unit TECH CENTER 1600/29(

			U.S. Patent	Documents	-		
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
5. T	AA	6,187,534	Feb. 13, 2001	Strom, et al	u 35	6	9/24/1927

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Examiner	Desig.	Document	Publication	Country or			Trans	lation
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	Other D	ocuments (include Author, Title, Date, and Place of Publication)
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Initial	ID	Document
7.1	AC	Abraham, et al. Transfection of the human heme oxygenase gene into rabbit coronary microvessel endothelial cells: Protective effect against heme and hemoglobin toxicity. Proc. Natl. Acad. Sci. USA 92:6798-6802 (July 1995).
	AD	Agarwal, et al. Induction of heme oxygenase in toxic renal injury: A protective role in cisplatin nephrotoxicity in the rat. Kidney International 48:1298-1307 (1995).
	AE	Agarwal, et al. Gas-generating systems in acute renal allograft rejection in the rat. Transplantation 61(1):93-98 (1996).
	AF	Agarwal, et al. Renal response to tissue injury: Lessons from heme oxygenase-1 gene ablation and expression. J. Am. Soc. Nephrol. 11:965-973 (2000).
	AG	Agodoa et al. Assessment of structure and function in progressive renal disease. Kidney International 52(Supp.63):S144-S150 (1997).
	АН	Aizawa, et al. Heme Oxygenase-1 is upregulated in the kidney of angiotensin II-Induced Hypertensive Rats. Hypertension 35:800-806 (2000).
	ΑI	Almond, et al. Risk Factors for Chronic Rejection in Renal Allograft Recipients. Transplantation 55(4):752-757 (Apr. 1993).
	AJ	Alpert, et al. The Relationahip of Granzyme A and Perforin Expression to Cardiac Allograft Rejection and Dysfunction. Transplantation 60(12):1478-1485 (Dec. 1995).
	AK	Amersi, et al. Upregulation of heme oxygenase-1 protects genetically fat Zucker rat livers from ischemia/reperfusion injury. J. Clin. Invest. 104:1631-1639 (1999).
	AL	Atkinson, et al. <i>Cytotoxic T Lymphocyte-assisted Suicide</i> . J. Biological Chemistry 273(33):21261-21266 (1998).
	_{AM} ∨	Bach, et al. Accomodation of vascularized xenografts: expression of "protective genes" by donor endothelial cells in host Th2 cytokine environment. Nature Medicine 3(2):196-204 (Feb. 1997).
	AN	Bach, et al. Protective genes expressed in endothelial cells: a regulatory response to injury. Immunology Today, Oct. 1997.
	AO	Badrichani, et al. Bcl-2 and Bcl- X_L serve an anti-inflammatory function in endothelial cells through inhibition of NF- κ B. J. Clin. Invest. 103(4):543-553 (1999).
	AP	Beckingham, et al. Analysis of factors associated with complications following renal transplant needle core biopsy. British Journal of Urology 73:13-15 (1994).
VJT	AQ	Benfield, et al. Safety of kidney biopsy in pediatric transplantation. Transplantation 67(4):544-547 (Feb. 1999).

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U.S. Department of Commerce Patent and Traderhark Office Application No. Substitute Form PTO-1449 Attorney's Docket No. (Modified) 09/777,732 01948-059001 Information Disclosure Statement Applicant by Applicant (Use several sheets if necessary) Yingyos Avihingsanon, et al. Filing Date Group Art Unit February 6, 2001 1637 (37 CFR §1.98(b))

(Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
J.T	AR	Berke. Unlocking the secrets of CTL and NK cells. Immunology Today 16(7):343-346 (1995).
	AS	Boise, et al. bcl-x, a bcl-2-Related Gene That Functions as a Dominant Regulator of Apoptotic Cell Death. Cell 74:597-608 (Aug. 1993).
	AT	Carraway, et al. Expression of heme oxygenase-1 in the lung in chronic hypoxia. Am J Physiol/Cell. Mol. Physiol. 278:L806-L812 (2000).
	AU	Clement, et al. Perforin and Granzyme B Expression is Associated with Severe Acute Rejection. Transplantation 57(3):322-326 (Feb. 1994).
	AV	Choi, et al. Heme Oxygenase-1: Function, Regulation, and Implication of a Novel Stress-inducible Protein in Oxidant-induced Lung Injury. Amer. J. of Respiratory Cella nd Molecular Biology 15:9-19 (1996).
	AW	Colvin, et al. Evaluation of Pathology Criteria for Acute Renal Allograft Rejection: Reproducibility, Sensitivity, and Clinical Correlation. J. Am. Soc. Nephrol 8:1930-1941 (1997).
	AX	Cooper, et al. A20 Blocks Endothelial Cell Activation through a NF-κB-dependent Mechanism. Journal of Biological Chemistry 271(30):18068-18073 (1996).
	AY	Cooper, et al. A20 Expression Inhibits Endothelial Cell Activation. Transplantation Proceedings, Barcelona, Aug. 1996.
	AZ	DeBruyne, et al. Gene Transfer of Immunomodulatory Peptides Correlates with Heme Oxygenase-1 Induction and Enhanced Allograft Survival. Transplantation 69(1):120-128 (2000).
	AAA	Dong, et al. <i>Heme Oxygenase-1 in Tissue Pathology</i> . American Journal of Pathology 156(5):1485-1488 (2000).
	ABB	Ferran, et al. A20 Inhibits NF-KB Activation in Endothelial Cells Without Sensitizing to Tumor Necrosis Factor-Mediated Apoptosis. Blood 91(7):2249-2258 (1998).
	ACC	Gaber, et al. Correlation of histology to clinical rejection reversal: A Thymoglobulin Multicenter Trial report. Kidney International 55:2415-2422 (1999).
	ADD	Gulanikar, et al. The incidence and inpact of early rejection episodes on graft outcome in recipients of first cadaver kidney transplants. Transplantation 53(2):323-328 (1992).
	AEE	Hancock, et al. Antibody-induced transplant arteriosclerosis is prevented by graft expression of anti-oxidant and anti-apoptotic genes. Nature Medicine 4(12): 1392-1396 (1998).
	AFF	Hariharan, et al. <i>Improved graft survival after renal transplantation in the United States, 1988 to 1996.</i> The New England Journal of Medicine 342(9):605-612 (2000).
	AGG	Henkart. Lymphocyte-Mediated Cytotoxicity: Two Pathways and Multiple Effector Molecules. Immunity 1:343-346 (1994).
	АНН	Heusel, et al. Cytotoxic Lymphocytes Require Granzyme B for the Rapid Induction of DNA Fragmentation and Apoptosis of Allogeneic Target Cells. Cell 76:977-987 (1994).
	AII	Huraib, et al. Percutaneous Needle Biopsy of the Transplanted Kidney: Technique and Complications. American Journal of Kidney Diseases 14(1):13-17 (1989).
	AJJ	Kagi, et al. Cytotoxicity mediated by T cells and natural killer cells is greatly impaired in perforindeficient mice. Nature 369:31-37 (1994).
	AKK	Kagi, et al. Molecular mechanisms of lymphocyte-mediated cytotoxicity and their role in immunological protection and pathogenesis in vivo. Annu. Rev. Immunol. 14:207-232 (1996).
27	ALL	Krams, et al. Expression of the cytotoxic T cell mediator granzyme B during liver allograft rejection. Transplant Immunology 3:162-166 (1995).

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01948-059001	Application No. 09/777,732	ES C	A
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	Other Do	ocuments (include Author, Title, Date, and Place of Publication)			
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ゴŢ	AMM	Lee, et al. Overexpression of heme oxygenase-1 in human pulmonary epithelial cells results in cell growth arrest and increased resistance to hyperoxia. Proc. Natl. Acad. Sci. USA 93:10393-10398 (1996).			
	ANN	Legros-Maida, et al. Granzyme B and perforin can be used as predictive markers of acute rejection in heart transplantation. Eur. J. Immunol. 24:229-233 (1994).			
	AOO	Lin, et al. Accomodated Xenografts Survive in the Presence of Anti-Donor Antibodies and Complement That Precipitate Rejection of Naïve Xenografts. Journal of Immunology 163:2850-2857 (1999).			
	APP	Lindholm, et al. The impact of acute rejection episodes on long-term graft function and outcome in 1347 primary renal transplants treated by 3 cyclosporine regimens. Transplantation 56(2):307-315 (1993).			
	AQQ	Lipman, et al. Heightened Intragraft CTL Gene Expression in Acutely Rejecting Renal Allografts. Journal of Immunology 152:5120-5127 (1994).			
	ARR	Littell, et al. SAS® System for Mixed Models. SAS Institute Inc. (1996).			
	ASS	Liu, et al. Perforin: structure and function. Immunology Today 16(4):194-201 (1995).			
	ATT	Maines. The Heme Oxygenase System: A regulator of second messenger gases. Annu. Rev. Pharmaco. Toxicol. 37:517-554 (1997).			
	AUU Nath, et al. Induction of Heme Oxygenase is a Rapid, Protective Response in Rhab Rat. J. Clin. Invest. 90:267-270 (1992).				
	AVV	Nath, et al. The Indispensability of Heme Oxygenase-1 in Protecting against Acute Heme Protein-Induced Toxicity in Vivo. American Journal of Pathology 156(5):1527-1535 (2000).			
	AWW	Nicholson, et al. A prospective randomized trial of three different sizes of core-cutting needle for renal transplant biopsy. Kidney International 58:390-395 (2000).			
	AXX	Ohta, et al. Tubular Injury as a Cardinal Pathologic Feature in Human Heme Oxygenase-l Deficiency. American Journal of Kidney Diseases 35(5):863-870 (2000).			
	AYY	Opipari, et al. The A20 cDNA Induced by Tumor Necrosis Factor α Encodes a Novel Type of Zinc Finger Protein. Journal of Biological Chemistry 265(25):14705-14708 (1990).			
	AZZ	Opipari, et al. The A20 Zinc Finger Protein Protects Cells from Tumor Necrosis Factor Cytotoxicity. Journal of Biological Chemistry 267(18):12424-12427 (1992).			
	AAAA	Otterbein, et al. Carbon monoxide has anti-inflammatory effects involving the mitogen-activated protein kinase pathway. Nature Medicine 6(4):422-428 (2000).			
	ABBB	Racusen, et al. <i>The Banff 97 working classification of renal allograft pathology</i> . Kidney International 55:713-723 (1999).			
	ACCC Rush, et al. Histological findings in early routine biopsies of stable renal allograft recipit Transplantation 57(2):208-211 (1994).				
	ADDD	Rush, et al. Beneficial Effects of Treatment of Early Subclinical Rejection: A Randomized Study. J. Am. Soc. Nephrol. 9:2129-2134 (1998).			
	AEEE	Sarma, et al. Activation of the B-cell Surface Receptor CD40 Induces A20, a Novel Zinc Finger Protein That Inhibits Apoptosis. Journal of Biological Chemistry 270-21:12343-12346 (1995).			
7.7	AFFF	Schulz, et al. Acute rejection of vascular heart allografts by perforin-deficient mice. Eur. J. Immunol. 25:474-480 (1995).			

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U.S. Department of Commerce Patent and Trademan Office Sclosure Statement Yingyos Avihingsanon, et al.

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Information Disclosure Statement
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Substitute Form PTO-1449

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Filing Date
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	Other Do	ocuments (include Author, Title, Date, and Place of Publication)		
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Initial	ID	Document		
丁.丁	AGGG	Sharma, et al. Molecular Executors of Cell Death-Differential Intrarenal Expression of Fas Ligand, Fas, Granzyme B, and Perforin during acute and/or chronic rejection of human renal allografts. Transplantation 62(12):1860-1866 (1996).		
	АННН	Shoskes, et al. Deleterious effects of delayed graft function in cadaveric renal transplant recipients independent of acute rejection. Transplantation 66(12):1697-1701 (1998).		
	AIII	Smyth. Dual mechanisms of lymphocyte-mediated cytotoxicity serve to control and deliver the immune response. Bioessays 17(10):891-898 (1995).		
	AJJJ	Smyth, et al. <i>Granzymes: exogenous proteinases that induce target cell apoptosis.</i> Immunology Loday 16(4):202-206 (1995).		
	AKKK	Soares, et al. Expression of heme oxygenase-1 case determine cardiac xenograft survival. Nature Medicine 4(9):1073-1077 (1998).		
	ALLL Sorof, et al. <i>Histopathological concordance of paired renal allograft biopsy cores.</i> Transpl 60(11):1215-1219 (1995).			
	AMMM Strehlau, et al. Quantitative detection of immune activation transcripts as a diagnostic kidney transplantation. Proc. Natl. Acad. Sci. USA 94:695-700 (1997).			
	ANNN	Strom, et al. <i>Identity and cytotoxic capacity of cells infiltrating renal allografts</i> . New England Journal of Medicine 292(24):1257-1263 (1975).		
	A000	Suthanthiran, et al. Excellent outcome with a calcium channel blocker-supplemented immunosuppressive regimen in cadaveric renal transplantation. Transplantation 55(5):1008-1013 (1993).		
	APPP	Suthanthiran, et al. Renal Transplantation. New England Journal of Medicine 331(6):365-376 (1994).		
	AQQQ	Tewari, et al. <i>Lymphoid expression and regulation of A20, and inhibitor of programmed cell death.</i> Journal of Immunology 154:1699-1706 (1995).		
	ARRR	Vogt, et al. Glomerular Inflammation Induces Resistance to Tubular Injury in the Rat. J. Clin. Invest. 98:2139-2145 (1996).		
	ASSS	Willis, et al. Heme oxygenase: a novel target for the modulation of the inflammatory response. Nature Medicine 2(1):87-90 (1996).		
	ATTT	Yachie, et al. Oxidative stress causes enhanced endothelial cell injury in human heme oxygenase-1 deficiency. Journal of Clinical Investigation 103(1):129-135 (1999).		
3.T	AUUU	Yoshida, et al. Human heme oxygenase cDNA and induction of its mRNA by hemin. Eur. J. Biochem. 171:457-461 (1988).		

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U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 01948-059001

Application No. 09/777,732

Information Disclosure Statement

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Applicant Yingyos Avihigsanon et al.

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February 6, 2001 1637

			U.S. Paten	t Documents			
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
3.7	AA	5,569,588	Oct. 29, 1996	Ashby et al			DANE
J	AB	5,213,961	May 25, 1993	Bunn et al		-	MEULINE 1831/87
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Foreign Patent Documents or Published Foreign Patent Applications									
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	AE								
	AF								
	AG								

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		Document				
TT	AH	Cassol, et al. <i>Primer-mediated Enzymatic Amplification of Cytomegalovirus (CMV) DNA</i> . J. Clin. Invest. 83:1109-1115 (Apr. 1989).				
	AI	Eisen, et al. Cluster analysis and display of genome-wide expression patterns. Proc. Natl. Acad. Sci. USA 95:14863-14868 (1998).				
	AJ	Meyer-Konig, et al. Human Cytomegalovirus Immediate Early and Late Transcripts in Peripheral Blood Leukocytes: Diagnostic Value in Renal Transplant Recipients. Journal of Infection Diseases 171:705-709 (1995).				
	AK Lipman, et al. Hightened Intragraft CTL Gene Expression in Acutely Rejecting Journal of Immunology 152:1520 (1994).					
\	AL	Perou, et al. Molecular portraits of human breast tumors. Nature 406:747-752 (2000).				
	AM	Ross, et al. Systematic variation in gene expression patterns in human cancer cell lines. Nature Genetics 24:227-235 (2000).				
	AN	Rush, et al. Sequential protocol biopsies in renal transplant patients. Transplantation 59(4):511-514 (1995).				
	AO	Rush, et al. Histological findings in early routine biopsies of stable renal allograft recipients. Transplantation 57(2):208-211 (1994).				
7-1	AP	Wright, et al. The polymerase chain reaction: miracle or mirage? A critical review of its uses and limitations in diagnosis and research. Journal of Pathology 162:99-117 (1990).				
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